

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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In re Application of

SHIMADA ET AL

Serial No. 09/727,386

Filed: December 1, 2000

For: METHOD FOR MANUFACTURING
BASE MATERIAL FOR OPTICAL
FIBER, APPARATUS THEREFOR,
AND BASE MATERIAL MANUFACTURED
BY THE SAME

Group Art Unit: 2874

Examiner: Unknown

SEP 10 2001
TC 2800 MAIL ROOM

September 7, 2001

SUBMISSION

Hon. Commissioner of
Patents and Trademarks
Washington, D.C. 20231

Sir:

Attached hereto is a copy of the European Search Report in the applicants'
corresponding European application.

Also attached are copies of the references and a PTO-1449 listing the same.


The Examiner is requested to consider the attachments in the examination of this
application.

The return of an initialed copy of the PTO-1449 would be appreciated.

Respectfully submitted,

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By


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SEP 14 2001

TC 1700

Information Disclosure of Related Art(s)

Your Ref. GJP/7874/275953/SHIMADA

Our Ref. SH-0022US

RE (Title) METHOD FOR MANUFACTURING BASE MATERIAL FOR OPTICAL FIBER, APPARATUS THEREFOR, AND BASE MATERIAL MANUFACTURED BY THE SAME

List of Attached Document(s)

1. Document(s) Explained in Patent Application or Written in English

2. Other Document(s) (with Brief Explanation of the Relevance)

Japanese Laid Open Patent Application No. H5-43255 published on February 23, 1993

Japanese Laid Open Patent Application No. H6-157048 published on June 3, 1994

Japanese Laid Open Patent Application No. H10-167749 published on June 23, 1998

Japanese Laid Open Patent Application No. S63-60122 published on March 16, 1988

Japanese Laid Open Patent Application No. H6-247737 published on September 6, 1994

Japanese Laid Open Patent Application No. H7-242435 published on September 19, 1995

Japanese Laid Open Patent Application No. S64-72936 published on March 17, 1989

Concise explanation of the relevance

- (i) JP Hei 5-43255, which has relevance with the original claims 1-12 and 26-43, discloses a method for fastening a glass base material of an optical fiber to a support shaft in which the base material is fitted into the support shaft and fastened with two or more heat resistant screws.
- (ii) JP Hei. 6-157048, which relates to the original claims 1-12 and 26-43, discloses a supporting mechanism for supporting a glass base material of an optical fiber in which a fitting portion formed at a support shaft and a pressing portion individual from the support shaft pinches the base material.
- (iii) JP Hei. 10-167749, which relates to the original claims 1-12 and 26-43, discloses a method for connecting a base material of an optical fiber to a support shaft in which a tapered portion of the base material is inserted into a tapered recess of the support shaft.
- (iv) JP Sho. 63-60122, which relates to the original claims 1-12, 17-20 and 26-49, discloses a method for suppressing a swing of the soot deposited material in which a swing is detected and, based on the detection, a weight on a dummy shaft is slide so as to be coincide the node of the swing with the growing portion of the soot deposited material.
- (v) JP Hei. 6-247737, which relates to the original claims 1-12, 17-20 and 26-49, discloses a base material manufacturing apparatus in which a detector for detecting a swing of a soot deposited material, and a rotation controller for changing the rotational speed of the soot deposited material based on the detection.
- (vi) JP Hei. 7-242435, which relates to the original claims 1-12, 17-20 and 26-49, discloses a base material manufacturing method in which uneven rotation is regulated within 2%.
- (vii) JP Sho. 64-72936, which relates to the original claims 15 and 23, discloses a method for vitrifying a base material of an optical fiber in which the vitrifying process starts residual gas in a base material is substituted with He gas.